

*3102021007 S. R. 4*

ARTEM'YEV, Yu.N., kand.tekhn.nauk; SRAPENYANTS, R.A., inzh.

Investigation of the rotational movement of piston rings in tractor diesel engines. Mekh. i elek. sots. sel'. khoz. no. 6:15-18 (MIRA 10:12) '57.

1. Gosudarstvennyy soyuznyy nauchno-issledovatel'skiy tekhnologicheskii institut remonta i ekspluatatsii traktorov i sel'skokhozyaystvennykh mashin.

(Tractors--Engines)

SRAPENYANTS, R.A., inzh.; ARABYAN, S.G., inzh.

Length of intervals between changing crankcase oil and its effect on the reliability of diesel tractors. Trakt.i sel'-khoz mash. no.10:1-4 0 '59. (MIRA 13:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut mekhanizatsii (for Srapenyants). 2. Nauchno-issledovatel'skiy avtotraktornyy institut (for Arabyan). (Diesel engines--Lubrication)

SRAPENYANTS, R.A., inzh.

Using radioactive isotopes for investigating engines. Mekh.i  
elek.sots.sel'khoz. 17 no.6:14-19 '59. (MIRA 13:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut elektrifikatsii  
sel'skogo khozyaystva.  
(Radioactive tracers)  
(Diesel engines--Maintenance and repair)

SRAPENYANTS, R.A., inzh.; NEFEDOV, B.B., inzh.

Investigating scale formation in the area of piston rings. Trakt.  
i sel'khoz mash. 30 no.6:16-17 Je '60. (MIRA 13:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut mekhanizatsii  
sel'skogo khozyaystva.  
(Piston rings)

SRAPENYANTS, RA

~~SECRET~~ G.D

PHASE I BOOK EXPLOITATION SOV/5410

Tashkentskaya konferentsiya po mirnomu ispol'zovaniyu atomnoy energii, Tashkent, 1959.

(Transactions of the Tashkent Conference on the Peaceful Use of Atomic Energy) v. 2. Tashkent, Izd-vo AN UzSSR, 1960. 149 p. Errata slip inserted. 1,500 copies printed.

sponsoring Agency: Akademiya nauk Uzbekskoy SSR.

Responsible Ed.: S. V. Starodubtsev, Academician, Academy of Sciences Uzbek SSR. Editorial Board: A. A. Abdullayev, Candidate of Physics and Mathematics; D. M. Abdurasulov, Doctor of Medical Sciences; U. A. Arifov, Academician, Academy of Sciences Uzbek SSR; A. A. Borodulina, Candidate of Biological Sciences; V. N. Ivashev; G. S. Ikrakova; A. Ye. Kiv; Ye. H. Kuzany, Candidate of Physics and Mathematics; A. I. Nilolayev, Candidate of Medical Sciences; D. Nishanov, Candidate of Chemical Sciences; A. S. Sadykov, Corresponding Member, Academy of Sciences USSR, Academician, Academy of Sciences Uzbek SSR; Yu. N. Talamin,

Card 1/20

174

Transactions of the Tashkent (Cont.)

SOV/5410

Candidate of Physics and Mathematics; Ya. Kh. Turakulov, Doctor of Biological Sciences. Ed.: R. I. Khamidov; Tech. Ed.: A. G. Babakhanova.

**PURPOSE :** The publication is intended for scientific workers and specialists employed in enterprises where radioactive isotopes and nuclear radiation are used for research in chemical, geological, and technological fields.

**COVERAGE:** This collection of 133 articles represents the second volume of the Transactions of the Tashkent Conference on the Peaceful Uses of Atomic Energy. The individual articles deal with a wide range of problems in the field of nuclear radiation, including: production and chemical analysis of radioactive isotopes; investigation of the kinetics of chemical reactions by means of isotopes; application of spectral analysis for the manufacturing of radioactive preparations; radioactive methods for determining the content of elements in the rocks; and an analysis of methods for obtaining pure substances. Certain

Card 2/20

176

Transactions of the Tashkent (Cont.)

SOV/5410

Instruments used, such as automatic regulators, flowmeters, level gauges, and high-sensitivity gamma-relays, are described. No personalities are mentioned. References follow individual articles.

TABLE OF CONTENTS:

RADIOACTIVE ISOTOPES AND NUCLEAR RADIATION  
IN ENGINEERING AND GEOLOGY

Lobanov, Ye. M. [Institut yadernoy fiziki UzSSR - Institute of Nuclear Physics AS UzSSR]. Application of Radioactive Isotopes and Nuclear Radiation in Uzbekistan

7

Taksar, I. M., and V. A. Yanushkovskiy [Institut fiziki AN Latv SSR - Institute of Physics AS Latvian SSR]. Problems of the Typification of Automatic-Control Apparatus Based on the Use of Radioactive Isotopes

9

Card 3/20

7

Transactions of the Tashkent (Cont.) SOV/5410

Grobar, A. G. [Tsentral'nyy n.-i. institut khlopkovoy promyshlennosti - Central Scientific Research Institute of the Cotton Industry]. Application of the Radioactive Isotopes in the Cotton Industry 73

Srednyants, R. A. [Vsesoyuznyy n.-i. institut mekhanizatsii sel'skogo khozyaystva - All-Union Scientific Research Institute for the Mechanization of Agriculture]. Radioactive Methods in Evaluating the Operational Qualities of Motor Oils and Machines 84

Badalov, N., and M. H. Maninov [Uzbek State University imeni A. Navoi]. Attenuation of Gamma-Rays by Wool and Cotton 88

Veynshteyn, B. I., A. Kh. Dregor, and N. P. Syrkus [N.-i. fiziko-tekhnicheskii institut im. L. Ya. Karpova - Physico-technical Scientific Research Institute imeni L. Ya. Karpov]. Design of a Radiation-Chemical Plant With a High-Power Source of Gamma-Radiation for Converting Benzene Into Phenol by Oxidation 90

Card 7/20

## Transactions of the Tashkent (Cont.)

SOV/5410

18

## of Geological Specimens

277

Abdullayev, A. S., S. A. Bibinov, Ye. M. Lobanov, A. P. Novikov,  
and A. A. Khaydarov [Institute of Nuclear Physics AS UzSSR].  
Gamma Determination of Lead Percentage in Concentrates

282

Karaculinskiy, B. G., D. F. Bospalov, L. N. Bondarenko, L. R.  
Votitskiy, N. V. Popov, A. I. Khaustov, Yu. S. Shimelevich, A. S.  
Yudin [Institute of Geology and Production of Mineral Fuels  
AS USSR]. Results of the First Industrial Tests of a Neutron  
Generator in Oil Wells

285

Flakvin, I. N., V. N. Smirnov, and L. P. Starchik [Institut  
gornogo dela AN SSSR - Mining Institute AS USSR]. Use of  
Alpha-Radiation of  $Po^{210}$  for the Quantitative Control of En-  
richment Productions Containing Beryllium, Boron, Fluorine,  
and Aluminum

293

Srapenyants, R. A., and B. B. Nefedov [Vsesoyuznyy n.-1. insti-  
tut mekhanizatsii sel'skogo khozyaystva - All Union Scientific  
Card 14/20

Transactions of the Tashkent (Cont.)

SOV/5410

Research Institute for the Mechanization of Agriculture]. Use  
of the Method of Neutron Activation Analysis for Investigating  
the Scale Formation and Wear of Parts in Tractor Motors 299

Muskov, B. Ya., and N. V. Churayev [Moscow Peat Institute].  
Application of Radioactive Radiation for Quick Determination of  
Peat Weight and Moisture Under Field Conditions 303

RADIOACTIVE ISOTOPES AND NUCLEAR RADIATION  
IN CHEMISTRY

Kudenko, M. P. [Nauchno-issledovatel'skiy institut yadernoy  
fiziki M.F. Scientific Research Institute of Nuclear Physics,  
Moscow State University]. Obtaining Pure Radioactive Isotopes  
Without Carriers 317

Shvedov, V. F., K. A. Petrzhak, R. V. Sedletskiy, and A. V.  
Shtepanov [Leningradskiy tekhnologicheskii institut im. Lomonosova  
- Leningrad Technological Institute imeni Lomonosov]. Separation  
of the Rare-Earth Group Fragments in  $U^{237}$  Photofission by the  
Method of Continuous Electrophoresis 325

Card 15/20

SRAPENYANTS, R. A., inzh.; SAID-KHODZHAYEV, S. A., inzh.

Use of radioactive isotopes in a method for separating potato tubers from soil lumps and stones. Mekh. i elek. sots. sel'khoz. 20 no.6:40-43 '62. (MIRA 16:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut mekhanizatsii sel'skogo khozyaystva.

(Potatoes)

(Radioactive isotopes--Industrial applications)

SRAPENYANTS, R.A.; SAID-KHODZHAYEV, S.A.

Radioisotope method for separating potatoe tubers from soil lumps and stones. Trakt. i sel'khózmash. 33 no.2:36-39 F '63. (MIRA 16:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut mekhanizatsii sel'skogo khozyaystva. (Potatoes—Harvesting)(Gamma rays—Industrial applications)

SRAPENYANTS, R.A.

[Use of radioisotopes in the mechanization of agriculture; bibliographic list of Soviet and foreign literature published during 1956-1962] Primenenie radioaktivnykh izotopov v mekhanizatsii sel'skogo khoziaistva; bibliograficheskii spisok otechestvennoi i inostranoi literatury za 1956-1962 g.g. Moskva, VIM, 1963. 30 p. (MIRA 17:8)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut mekhanizatsii sel'skogo khozyaystva. Laboratoriya obshchey teorii sel'khoz mashin i novykh metodov ikh issledovaniya. Nauchno-tekhnicheskaya biblioteka. 2. Glavnyy inzhener Laboratorii obshchey teorii sel'khoz mashin i novykh metodov ikh issledovaniya Vsesoyuznogo nauchno-issledovatel'skogo instituta mekhanizatsii sel'skogo khozyaystva, Moskva.

SRAPELYAN'S, R.A.; CHENOBIZI'SKIY, S.G.

Method of neutron activation analysis for evaluating the wear  
of the cylinders and piston rings of a compressor. Mash. i neft.  
obor. no.10:30-34 '64 (MIRA 18s1)

L. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti  
im. akademika Gubkina.

TSAGOLCV, A.S.; GRAFMYANTS, R.A.; NISNEVICH, A.I.

Use of the gamma-spectrometric method in the simultaneous  
determination of the wear of two machine parts. Zav.lab.  
31 no.4:464-465 '65. (MIRA 18:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut mekhanizatsii  
sel'skogo khozyaystva.

SRAPIONOV, A.S.

SHARGORODSKIY, L.Ya., professor;LOKTIONOV, G.M.; SRAPIONOV, A.S.

Luminescent-fluorescent method in the diagnosis of certain diseases  
of the central nervous system. Vop. neurokir. 18 no.3:14-21 Ny-Je '54.  
(MLRA 7:8)

1. Iz kliniki nervnykh bolezney Tashkentskogo meditsinskogo instituta.  
(CENTRAL NERVOUS SYSTEM, diseases,  
\*diag., luminescent-fluorescent method)

SRAPIONOV, A.S.

SHARGORODSKIY, L.Ya., professor; SRAPIONOV, A.S.; LOKTIONOV, G.M.

Luminescent-fluorescein method of diagnosis of cerebral tumors in experimental conditions. Vop. neirokhir. 19 no.1:3-8 Ja-F '55. (MIRA 8:2)

1. Iz kliniki nervnykh bolezney Tashkentskogo meditsinskogo instituta.

(BRAIN, neoplasms,  
exper., diag. with luminescent-fluorescein method)

(FLUORESCHEIN,  
diag. of exper. brain tumors)

SHARGORODSKIY, L.Ya., professor.; LOKTIONOV, G.M.; SRAPIONOV, A.S.

Luminescent and fluorescent method of diagnosing inflammatory processes of the brains and its membranes in experiments. Vopr. neirokhir. 20 no.1:36-40 Ja-F '56. (MLRA 9:6)

1. Iz kliniki nervnykh bolezney Tashkentskogo meditsinskogo instituta.

(BRAIN, dis.  
inflammation, exper., diag., luminescent & fluorescent method)

(LUMINESCENCE  
luminescent & fluorescent method for determ. of brain inflammation.)

SHARGORODSKIY, L.Ya., professor; LOKTIONOV, G.M.; SRAPIONOV, A.S.

Radioactive phosphorus in the diagnosis of experimental tumors of  
the central nervous system. Vop.neirokhir. 21 no.3:10-15 My-Je '57.  
(MLRA 10:10)

1. Kafedra nervnykh bolezney Tashkentskogo meditsinskogo instituta.  
(CENTRAL NERVOUS SYSTEM, neoplasms  
exper., diag. with radioactive phosphorus)  
(PHOSPHORUS, radioactive  
use in diag. of exper. tumors in CNS)

5 R A P I O N O V, A. S.  
SHARGORODSKIY, L.Ya.; SRAPIONOV, A.S.; LAKTIONOV, G.M.

Radioactive iodine in the diagnosis of experimental brain tumors  
[with summary in French]. Zhur.nevr. i psikh. 57 no.1:53-60 '57.  
(MLRA 10:3)

1. Klinika nervnykh bolezney (zav. L.Ya.Shargorodskiy) Tashkentskogo  
meditsinskogo instituta.

(BRAIN NEOPLASMS, exper.

diag. with radiiodine in rabbits)

(IODINE, radioactive

diag. of exper. brain tumors in rabbits)

USSR/General Problems of Pathology. Metabolism

U-5

Abs Jour : Ref Zhur - Biol., No 13, 1958, No 61084

Author : Shargorodskiy L.Ya., Srapionov A.S., Laktinov G.M.

Inst : -

Title : Radioactive Iodine in the Diagnosis of Experimentally Induced Cerebral Tumors

Orig Pub : Zh. nevroptol. i psykhiatrii, 1957, 57, No 1, 53-60

Abstract : After trepanation of the cranium, an emulsion of a Brown-Pearce tumor was injected into the right cerebral hemisphere of rabbits. Some times later, 3-15 days,  $I^{131}$  (100-150 micro curi per kilogram) were injected. The optimal date for investigation was 1-2 hours after  $I^{131}$  had been introduced. The intranasular injection of  $I^{131}$  is more practical than injections made into the stomach, because the culmination of a  $I^{131}$  concentration takes place in a somewhat slower manner, and the difference in the accumulation of isotopes in the affected and non affected hemisphere is manifested better. -- K.P. Markuze

Card : 1/1

36

SRATONOV, A.S.; GENERALOVA, V.V., kand. fiz.-mat. nauk, otv.  
red.; SOKOLOVA, A.A., red.

[Radioactivity and dosimetric control] Radioaktivnost' i  
dozimetricheskii kontrol'. Tashkent, Izd-vo "Nauka" Uzb.SSR  
1964. 207 p. (MIRA 17:6)

SRAPIONOV, A.S.

Safety of X-ray examinations. Vest. rent. i rad. 40 no.5:54-57  
S-0 '65. (MIRA 18:12)

SRAPIONOV, O.S.

SRAPIONOV, O.S., kand. ekon. nauk.

Principles and indices for classifying communication enterprises.  
Vest. svyazi 17 no.12:13-15 D '57. (MIRA 10:12)

1. Nachal'nik laboratorii Tsentral'nogo nauchno-issledovatel'skogo  
instituta svyazi.

(Telecommunication)

6(7)

SOV/111-59-5-21/32

AUTHOR: Srapionov, O.S., Chief  
TITLE: The Organizational Structure of Oblast' Communication Directorates  
PERIODICAL: Vestnik svyazi, 1959, Nr 5, pp 24-26 (USSR)

ABSTRACT: The organizational structure of the oblast' communication directorates was adequate as long as the communication enterprises operated on budget allowances. With the introduction of a new system, whereby these installations are no longer financed by the state, certain organizational changes are required. The administration must become more active and more economical. The branch structure of the administration creates departmental barriers in a number of cases, such as in the distribution of funds for materials used in joint post offices, operating on budget allowances, accounts for and plans expenses for technical maintenance and repairs for the post office as a whole. Administration by branches has no great

Card 1/3

The Organizational Structure of Oblast: Communication Directorates SOV/111-59-5-21/32

importance in the present organization of communication enterprises. There are very few specialized communication enterprises (besides LTU and DRTS), while most enterprises are of the combined type. Experience in the Lithuanian, Latvian and Estonian SSR proved that the branch organization of the oblast' communication directorates does not meet the requirements for the operation of the communication installations. Based on the experienced obtained in the Latvian SSR, the authors recommend one of the possible versions for the reorganization of the communications administration. The oblast' communication directorates may be subdivided into the following sections: 1) section for general operation of communication facilities; 2) section for the technological operation of communication facilities (both sections are to be created from the electrical communication branch, postal branch and DRTS); 3) section for planning and financing; 4) economics sections; 7) section for major construction projects and procurement. An analogous

Card 2/3

SOV/111-59-5-21/32

The Organizational Structure of Oblast' Communication Directorates

organization may be recommended for a communications ministry for the republics not having oblast' division. This organization should be introduced on an experimental basis for obtaining information for obtaining information for final conclusions concerning the reorganization of the communications administration.

ASSOCIATION: Laboratoriya ekonomiki svyazi TsNIIS (Laboratory of Communication Economics TsNIIS)

Card 3/3

25(3)

AUTHORS:

SOV/111-59-8-15/30  
Podgorodetskiy, I.A., Docent, Srapicncy, O.S., Chief,  
and Smorchkova, Ye.P., Senior Scientific Worker

TITLE:

Determination of the Income of Communications Enterprises on Cost Accounting

PERIODICAL:

Vestnik svyazi, 1959, Nr 8, pp 17-19 (USSR)

ABSTRACT:

In this article the authors deal with the problem of determining the income of enterprises operating on the cost accounting system, based on a study of the problem by the Laboratoriya ekonomiki svyazi TsNIIS (Laboratory of Communications Economics of the TsNIIS) in search of a single principle for determining income. The problem is presented generally in terms of income sources for communications enterprises generally, and value of production by the enterprise (in term of the monetary expression for the amount of socially necessary labor consumed in production), and the theoretical basis for the solution laid. Basically, it is stated, if the income derived from charges made for services equals the monetary expression for the

Card 1/4

SOV/111-59-8-15/30  
Determination of the Income of Communications Enterprises on Cost Accounting

value of production, this income may be considered that income which belongs to the enterprise. The authors propose a means of determining the income of an enterprise on the basis of the correlation existing between income from tariffs and the income belonging to the enterprise which is established in the plan, and outline this method. The correlation described is found to be stable for most communications enterprises over a period of several years. Several questions relating to the operation of an enterprise on this method are dealt with, particularly with regard to fulfillment of plans. The problem of enterprises with incomes from tariffs lower than the value of production is dealt with; according to the TsNIIS out of 419 communications offices (kontora svyazi) only 13 are operating in this way. Treated also is the question of enterprises (e.g. the LTU) without income from tariffs, and the question of profit formation in such enterprises. The authors

Card 2/4

SOV/111-59-8-15/30

Determination of the Income of Communications Enterprises on Cost Accounting

then outline the system of determining income according to their method for different types of enterprises. This system is based on computations done at the Laboratory of Communications Economics, TsNIIS, with the aid of materials from 920 district (rayón) communications offices, 20 consolidated municipal enterprises, 20 post offices, 19 MTS, 26 GTS, 29 DRTS, 16 telegraph offices, 17 radio enterprises, 36 LTU, and 17 OPP. A check of the effectiveness of the proposed method was made using data from the Kiyev, Minsk, and Gor'kiy Communications Administrations; detailed comparative calculations of the results of plan fulfillment, and dynamics of growth were made by the proposed and existing methods of determining income. Conferences devoted to the new system, in which people from communications ministries and administrations, selected enterprises, and rayon communications offices took part, were held; a "positive attitude" to the method was shown. The

Card 3/4

SOV/111-59-8-15/30  
Determination of the Income of Communications Enterprises on Cost Accounting

editors of "Vestnik svyazi" ask for comments from readers on the subject matter of this article. There is 1 table.

ASSOCIATION: Laboratoriya ekonomiki svyazi TsNIIISa (Laboratory of Communications Economics of the TsNIIIS); TsNIIIS

Card 4/4

GUBIN, Nikolay Mikhaylovich; SRAPIONOV, Onik Sergeevich; YEFIMOV,  
N.S., otv. red.; KAZ'MINA, R.A., red.; KARABILOVA, S.F., tekhn.  
red.

[Problems in economics and planning in district communication  
offices] Voprosy ekonomiki i planirovaniia v raionnykh kontro-  
rakh sviazi. Moskva, Gos. izd-vo lit-ry po voprosam sviazi i  
radio, 1960. 127 p. (MIRA 14:5)

(Telecommunication)

SRAPIONOV, O.S.; YESIKOV, S.R., starshiy nauchnyy sotrudnik

Methods of planning for labor productivity at communication enterprises.  
Vest. svyazi 20 no.9:13-14 S'60. (MIRA 13:10)

1. Nachal'nik laboratorii ekonomiki svyazi TSentral'nogo nauchno-  
issledovatel'skogo instituta svyazi (for Srapiionov). 2. TSentral'nyy  
nauchno-issledovatel'skiy institut svyazi (for Yesikov).

(Telecommunication) (Labor productivity)

SRAPIONOV, O.S.

Internal business accounting at communications enterprises.  
Vest. svyazi 21 no.4:16-17 Ap '61. (MIRA 14:6)

1. Nachal'nik laboratorii ekonomiki svyazi Tsentral'nogo  
nauchno-issledovatel'skogo instituta svyazi.  
(Postal service--Accounting)

SRAPIONOV, Onik Sergeevich; YESIKOV, Semen Rodionovich; RUBINA, P.M.,  
otv. red.; KAZ'MINA, R.A., red.; SLUTSKIN, A.A., tekhn. red.

[Production costs in the telecommunication industry]Sebe-  
stoimost' produktsii v khoziaistve sviazi. Moskva, Sviaz'-  
izdat, 1962. 174 p. (MIRA 15:10)  
(Telecommunication--Costs)

SRAPIONOV, O.S.

The production costs are the most important indices of the planning of communication enterprises which are operating on business accounting. Vest. svyazi 22 no.3:13-15 Mr '62. (MIRA 15:2)

1. Nachal'nik laboratorii ekonomiki svyazi "TSentral'nogo nauchno-issledovatel'skogo instituta svyazi.  
(Telecommunication--Accounting)

SRAPIONOV, Onik Sergeevich; SMORCHKOVA, Yekaterina Pavlovna;  
YESIKOV, S.R., otv. red.; EYDEL'MAN, B.I., red.;  
ROMANOVA, S.F., tekhn. red.

[Business accounting in communication enterprises] Khoziai-  
stvennyi raschet v khoziaistve sviazi. Moskva, Sviaz'izdat,  
1963. 159 p. (MIRA 16:5)  
(Telecommunication--Finance)

VISHNEVSKAYA, Valentina Vasil'yevna; SRAPIONOV, Onik Sergeyevich;  
BOGACHEVA, Galina Vasil'yevna; KAZ'MINA, R.A., red.;  
SLUTSKIN, A.A., tekhn. red.

[Economics and planning in telecommunication] Ekonomika i  
planirovanie svyazi. Moskva, Svyaz'izdat, 1963. 287 p.  
(MIRA 16:6)

(Telecommunication)

SRAPIONOV, O.S.; YESIKOV, S.R., starshiy nauchnyy sotrudnik, kand.ekonom.nauk

Labor productivity in telecommunication enterprises and methods for increasing it. Vest. svyazi 23 no.1:19-21 Ja '63. (MIRA 16:3)

1. Nachal'nik laboratorii ekonomiki svyazi TSentral'nogo nauchno-issledovatel'skogo instituta svyazi Ministerstva svyazi SSSR (for Srapiionov).
2. TSentral'nyy nauchno-issledovatel'skiy institut svyazi Ministerstva svyazi SSSR (for Yesikov).  
(Telecommunication—Employees)

SRAPIONOV, Onik Sergeyevich; YEREMINA, Zinaida Petrovna;  
SVERKALOVA, Aleksandra Pavlovna; KUZNETSOV, M.A., otv.red.;  
SAKHAROVA, Ye.D., red.

[Business accounting within communication system enterprises]  
Vnutriproizvodstvennyi khozraschet v predpriatiiakh sviazi.  
Moskva, Izd-vo "Sviaz" 1964. 36 p. (MIRA 17:5)

GUBIN, Nikolay Mikhaylovich; SEALIONOV, Onik Sergeyeovich;  
SHEVCHENKOV, M.A., otv. red.; SIDOROVA, T.S., red.

[Economics, organization and planning in regional communication centers] Ekonomika, organizatsiia i planirovanie v raionnykh uzлах svyazi. Moskva, Svyaz', 1964.  
226 p. (MIRA 17:9)

SRAFIONOV, C.S.

Principles governing the establishment and improvement of  
telecommunication rates. Vest. svyazi 24 no.7:13-15 J1 '64.  
(MIRA 17:9)

1. Nachal'nik nauchnogo otdela ekonomiki svyazi Tsentral'nogo  
nauchno-issledovatel'skogo instituta svyazi.

MARINICH, A.S.; SRAPIONOV, O.S.; SPASSKAYA, K.S.

Improvement of labor organization should be scientifically founded. Vest. svyazi 25 no.6:2-4 Ja '65. (MIRA 18:11)

1. Zamestitel' nachal'nika Tsentral'nogo nauchno-issledovatel'skogo instituta svyazi Ministerstva svyazi SSSR (for Marinich).
2. Nachal'nik nauchnogo otdela Tsentral'nogo nauchno-issledovatel'skogo instituta svyazi Ministerstva svyazi SSSR (for Srapiionov).
3. Iсполnyayushchiy obyazannosti nachal'nika laboratorii organizatsii truda i zarabotnoy platy Tsentral'nogo nauchno-issledovatel'skogo instituta svyazi Ministerstva svyazi SSSR (for Spasskaya).

GALOYAN, A.A.; MANASYAN, R.F.; SRAPIONYAN, R.M.

Histochemical analysis of the mechanism of the effect of  
 $\gamma$ -aminobutyric acid and insulin on the transport of glucose  
in tissues. Vop.biokhim. 2:109-114 '61. (MIRA 15:12)

1. Institute of Biochemistry, Academy of Sciences of Armenian  
S.S.R., Erevan.  
(Butyric acid) (Insulin) (Glucose)

GALOYAN, A.A.; SRAPIONYAN, R.N.

Chemical nature of coronary active substances obtained from  
the hypothalamus. Vop. biokhim. moz. 1:145-149 '64.

(MIRA 18:9)

I. Institut biokhimi AN ArmSSR.

SRAPYAN, G.

The device became more reliable. Zhil.-kom. khoz. 13 no. 3:16 Mr '63.  
(MIRA 16:3)

1. Starshiy inzh. energokhozyaystva tramvayno-trolleynogo upravleniya,  
Yerevan.

(Rapid transit—Equipment and supplies)

SRAPYAN, Sh.J. (Yerevan); TER-MIKABLYAN, T.M. (Yerevan)

One method for evaluating the situation in a game of crosses and zeroes.  
Probl. kib. no.9:171-176 '63. (MIRA 17:110)

RUSAKOV, M.P.; SRAYYLOV, T.

"Kvartsevyy Aktas," a vermicular feldspar deposit in the north-  
western Balkhash region. Izv. AN Kazakh. SSR. Ser. geol. no.2:  
115-118 '58. (MIRA 12:5)  
(Balkhash region--Feldspar)

SRAYYLOV, T.

Relationship between igneous rocks, secondary quartzites, and  
mineralization in the Zhamantuz sector. Izv. AN Kazakh. SSR.  
Ser. geol. no.2:92-97 '60. (MIRA 13:8)  
(Zhamantuz region--Geology, Economic)

BUSAKOV, M.P.; SRAYYLOV, T.

Alkamergen' gold-bearing massif of secondary quartzites in  
northeastern Kazakhstan. Vest.AN Kazakh.SSR 16 no.2:  
35-39 F '60. (MIRA 13:6)  
(Kazakhstan-Gold)

SRAYILOV, T.

Types of secondary quartzites in the northwestern part of central  
Kazakhstan. Trudy Inst.gool.nauk AN Kazakh.SSR no.4:37-47 '61.  
(MIRA 14:10)

(Kazakhstan--Quartzite)

RUSAKOV, M.P.; SRAYYLOV, T.

Copper-perphyritic ores of the Kushoky secondary quartzite massif.  
Izv. AN Kazakh. SSR. Ser. geol. no. 4: 3-20 '62. (MIRA 15:7)  
(Karaganda region - Copper ores) (Karaganda region Quartzite)

SRAYYLOV, T.

Genetic types and mineralogical species of the secondary  
quartzites in the region of Bayan-Aul District in central  
Kazakhstan. Zap. Kir. otd. Vses. min. ob-va no.4:43-52 '63.  
(MIRA 1788)

RUSAKOV, M.P.; SRAYYLOV, T.

Apofusive secondary quartzites and micropegmatites of the  
Aytpay-Shoky massif. Trudy Lab. paleovulk. Kazakh. gos. un.  
no.56:207-217 '63. (MIRA 16:6)

1. Institut geologicheskikh nauk AN Kazkhskey SSR.  
(Bayan-Aul region--Quartzite)

CHOLPANKULOV, T.Ch.; SRAYLOV, T.

Rusakovskoye copper deposit in the northeastern part of central  
Kazakhstan. Trudy Inst. geol. nauk AN Kazakh. SSR 12:156-161  
'65. (MIRA 18:9)

40966

S/081/62/000/016/033/043  
B168/B186

24.2950,

AUTHORS: Vaško, Antonín, Srb, Ivo

TITLE: A clarifying film against infrared radiation for optical materials and a method of producing it

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 16, 1962, 542, abstract 16P218 (Czechosl. patent 92767, November 15, 1959)

TEXT: A clarifying film, which reduces the reflection of infrared radiation from optical materials, especially from mixed crystals of thallium bromide and iodide, is produced from polymers and has a refractive index in the range 1.5-1.6. Polyethylene or polystyrene is used for this purpose. After being applied to the surface the polymer layer is heated to melting point (112-120°C) and is then cooled rapidly to 70°C, e.g. a film of polyethylene from a solution in CCl<sub>4</sub> is applied to a plate - in a horizontal position - of KRS-5 (mixed single crystal of thallium bromide and iodide with a refractive index of 2.3-2.4) at a temperature of 70°C. The consumption of material per square of 50 x 50 mm is 0.4 ml

Card 1/2

A clarifying film against...

S/081/62/000/016/033/043  
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solution of 0.794 g polyethylene in 50 ml  $\text{CCl}_4$ . After evaporation of the  $\text{CCl}_4$  the plate is heated to  $120^\circ\text{C}$  and cooled rapidly to  $70^\circ\text{C}$ . The transluence curve for a clarified plate is given. [Abstracter's note: Complete translation.] ✓

Card 2/2

CZECH/37-59-1-19/26

AUTHORS: A. Vaško, I. Srb Letter to the Editor:  
TITLE: Polyethylene<sup>5</sup> Anti-Reflection Coating<sup>5</sup> for TlBr + TlI  
PERIODICAL: Československý Časopis Pro Fysiku, 1959, Nr 1,  
pp 108-109

ABSTRACT: For the elimination of reflection, the index of refraction in our case must be 1.55-1.515. This condition is fulfilled in polyethylene. Polyethylene has absorption bands at 3.5  $\mu$ , 7  $\mu$  and 14  $\mu$  but these are unimportant because TlBr + TlI is used for long wavelengths (up to 38  $\mu$ ). The layers were prepared by drying a solution of polyethylene in  $CCl_4$  at 70 °C. The dry layer was heated to 120 °C and then rapidly cooled. Fig 1 shows the transmissivity of a 7 mm thick crystal of TlBr + TlI without the anti-reflection coating (curve 1) and the transmissivity of the same crystal with anti-reflection coatings<sup>1b</sup> of varying thickness (curve 2 -  $\lambda = 6.3 \mu$ , curve 3 -  $\lambda = 11.2 \mu$ , curve 4 -  $\lambda = 21.1 \mu$ ). Further work is in progress.

Card 1/2 There are 1 figure and 4 references, of which 3 are Czech and 1 is German. ✓

Letter to the Editor:

CZECH/37-59-1-19/26

Polyethylene Anti-Reflection Coating for TlBr + TlI

ASSOCIATION: Ústav pro výzkum optiky a jemné mechaniky, Praha (Optics and Precision Mechanics Research Institute, Prague)

SUBMITTED: August 5, 1958

Card 2/2



CZECHOSLOVAKIA/Optics - Physical Optics.

K

Abs Jour : Ref Zhur Fizika, No 1, 1960, 2180  
Author : Vasko, A., Srb, I.  
Inst : -  
Title : Polyethylene Anti-Reflection Coating for KRS-5  
Orig Pub : Chekhosl. fiz. zh., 1959, 9, No 1, 128-129

Abstract : The authors describe the application of quarter-wave layers of polyethylene ( $n = 1.515$ ) to illuminate a mixed single crystal TlBr + TlI (KRS-5), which exhibits large reflection losses ( $n = 2.30$  to  $2.40$ ) in the infrared region (where it is employed). At  $\lambda > 14 \mu$  the polyethylene is quite transparent; it is resistant to moisture and chemically-active substances. The coatings were prepared by pouring over the surface of the crystal a solution of polyethylene in carbon tetrachlorate at  $70^\circ$  C with subsequent evaporation of the solvent in air at normal temperature.

Card 1./2

- 114 -

SRB ; JAN

Srb, Jan. Sur les simplexes autopolaires d'une polarité de l'espace à  $n$  dimensions. Casopis Pěst. Mat. Fys. 72, 49-59 (1947). (Czech. French summary)

Deux simplexes différents autopolaires sont de la même espèce quand il existe une correspondance biunivoque telle qu'à chaque arête de l'un des deux simplexes correspond une seule arête de l'autre de sorte qu'aux arêtes passant par un sommet de l'un des simplexes correspondent les arêtes passant par un sommet de l'autre et que les involutions des pôles harmoniques engendrées sur les arêtes correspondantes soient de la même espèce. L'article contient le théorème suivant. Les simplexes autopolaires d'une même polarité de l'espace à  $n$  dimensions sont de la même espèce. A l'aide de ce théorème l'auteur effectue la classification projective des polarités et aussi celle des quadriques de l'espace à  $n$  dimensions par rapport aux homographies réelles.

F. Vyšichko (Prague).

Source: Mathematical Reviews,

Vol 9 No. 7

Veatch

Srb, Jan.: On the autopolar simplexes of a polarity of the space with  $n$  dimensions

Summary

SRB, JAN

Srb, Jan. Polygons of  $n+4$  sides inscribed in a rational  
normal curve of  $n$ -dimensional space. Casopis Pěst.  
Mat. Fys. 73, 93-98 (1978) (Czech)

Source: Mathematical Reviews.

Vol 10 No. 5

SRB, J.

A Generalization of Pascal's Theorem on the Normal Rational Curve of the Space Projected to  $n$  Dimensions

Srb, J. Une généralisation du théorème de Pascal sur la courbe rationnelle normale de l'espace projectif à  $n$  dimensions. Acta Fac. Nat. Univ. Comenian. 1 (1956), 169-177. (Czech. Russian and French summaries)

2  
1-F/W

SRB, Jan, arch.

New office furniture. Drevo 18 no.3:108-109 Mr '63.

1. Vyvoj nabytkoveho prumyslu, Brno.

SMRCEK, Karel, inz.; CEJCHAN, Otto, prof.; SRB, Jaroslav

Slag and recrystallization bond of heat-hardened pellets.  
Sbor Vyzk ust Mnisek 4:93-102 '64.

Changes in the mineral composition of heat-hardened pellets.  
Ibid.:103-113

1. Research Institute of the Zelezorudne doly a hruzkovny  
National Enterprise, Mnisek.

SRB, Labomir

Connection of aluminum conductors. Elektrotechnik 19 no.5:  
151-152 My '64.

1. Severoceske chemicke zavody, Lovosice.

SRB,P., inz.; SCHAUER, A.inz.

Thermal and sound insulation in Great Britain. Stavivo 42 no.4:  
152-154 Ap '64

SRB, P., inz.

Acceleration of the hardening of karamzit concrete panels by  
infraheating. Stavivo 43 no.2:69 '65.

SRB, Stanislav, ing.

Report on the papers of the 4th group: "Cadres in electrical and mechanical engineering". Tehnika Jug 17 no.2:314-317 F '62.

(Yugoslavia—Electrical engineering)  
(Yugoslavia—Mechanical engineering)  
(Yugoslavia—Industrial management)

SRB, V.

Psychiatry in Czechoslovakia in 1946-1948. Statist. zpravod. 13 no.2:  
57-60 15 F '50. (CIML 19:2)

SRB, V.

Seminar on nuclear power at the Joint Nuclear Research Institute  
in Dubna. Jaderna energie 8 no.9:339-340 S '62.

SRB, Vaclav; FRANZ, Milan

Electrolytic production of  $MnO_2$ . Sbor chem tech no.3, part 1:51-69  
'59.

1. Katedra anorganické technologie, Vysoká škola chemicko-technologická,  
Praha.

SRB, Vaclav

Properties of manganese oxides prepared in the electrolytic way  
Mn O<sub>2</sub>. Sbor chem tech 4 no.2:103-117 '60. (EEAI 10:9/10)

1. Katedra anorganicke technologie, Vysoka skola chemicko-technologicka,  
Praha.

(Manganese oxides)

SRB, Vaclav

Preparation and basic properties of ion exchange membranes.  
Chem listy 56 no.11:1302-1323 N '62.

1. Katedra anorganické technologie, Vysoká škola chemicko-technologická, Praha.

SRB, Vaclav

Use of ion-exchanging membranes in the technical electrochemistry.  
Chem listy 57 no.6:586-607 Je '63.

1. Katedra anorganické technologie, Vysoká škola chemicko-  
technologická. Praha.

SRB V.

Ustavné porody na Slovensku. Birth rate in Slovakia Sloven  
lekar 12:8 Aug 50 p. 434-7.

1. NAI  
CLM Vol. 20, No. 2 Feb 1951

SRB, Vladimir, Dr

Infant and newborn mortality in Czechoslovakia in 1954. Cesk.  
pediat. 10 no.4:292-299 May 55.

1. Statni urad statisticky.  
(VITAL STATISTICS,  
in Czech., inf. & newborn mortal.)  
(INFANT, NEWBORN,  
in Czech., mortal.)

SRB, Vladimir, Dr.

Statistics of maternal death. Cesk. gyn. 20 no.1:60-67 Feb 55.

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(VITAL STATISTICS  
maternal mortal., statist.)

KUBAT, K., Doc.; SRB, V., Dr.; KUCERA, M.

Infant and neonatal mortality in Czechoslovakia in 1955.  
Cesk. pediat. 11 no.10:776-781 Oct 56.

1. UPMD, Praha-Podoli, Statni urad statistikcy, Praha.  
(INFANT MORTALITY  
in Czech. in 1955 (Cz))

SRB, V.; KUCERA, I.M.

Infant and neonatal mortality by birth weight and fetal maturity in Czech districts from 1950 to 1954. Cesk. pediat. 12 no.4:299-302 Apr 57.

(INFANT MORTALITY, statist.  
in Czech., inf. & neonatal mortal. by birth weight & fetal maturity (Cs))

Country : CZECHOSLOVAKIA  
Category : General Biology. B  
          : Cytology. Plant Cytology.  
Abs. Jour. : RZhBiol., No. 3, 1959, No. 9603  
Author : Bartos, Frantisek; Srb, Vladimir.  
Institut. : -  
Title : The Presence of Giant Cells in Explants of  
          : Fodder Beet Roots (*Beta vulgaris* L. var *rapa* f.  
          : *lutea*).  
Orig Pub. : Ceskosl. biol., 1958, 7, No 2, 162-165  
  
Abstract : Giant cells (GC) formed by the authors in the  
          : explants of fodder beet roots, contain 3-8  
          : nuclei surrounded by cytoplasm. In the opinion  
          : of the authors, multinucleic GC may self-  
          : generate in the cultures of plantal tissue. A  
          : further division of nuclei in GC was not observ-  
          : ed. Apparently, the process of formation of  
          : phragmoplasts and septa is disrupted in GC. --  
          : From the authors' summary.

Card: 1/1

SRB, Vladimir

First nationwide congress of biophysicists in Czechoslovakia. Biofizka  
7 no.1:117-118 '62. (MIRA 15:5)  
(CZECHOSLOVAKIA---BIOPHYSICS---CONGRESSES)

HNATEK, L.; MALY, Vl.; SRB, Vl.

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no.9:663-665 N '62.

1. Gyn. por. klin. lek. fak. pediatricke KU, prednosta prof. dr. R.Peter,  
DrSc. Antikoncepcni poradna, ved. lek. MUDr. L. Hnatek Ustav organizace  
zdravotnictvi, prednosta prof. dr. V. Prosek, DrSc. Statni urad  
statisticky, ved. oddel. MUDr. Vl. Srb.  
(CONTRACEPTION) (ABORTION)

SRB, V.

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Reviewed by V.Srb. Coll Cz Chem 27 no.12:3082 D '62.

SRB, Vladimir

Contribution to data on quantitative changes in interkinetic nuclei after roentgen irradiation. Sborn. ved. prac. lek. fak. Karlov.univ. (Hrad. Kral.) 6 no.5 suppl.:577-581 '63.

1. Katedra obecné biologie (prednosta : doc. MUDr. B.Hluchovsky)  
Universita Karlova v Hradci Kralove.

PENKA, Miroslav, prof., RNDr, PhMr, C.Sc. (Brno, Tr. Obrancu miru 10);  
KLIMESOVA, Emilie; SRB, Vladimir

Possibilities of utilizing irrigation for the plant *Mentha  
piperita* Hudson. Acta pharmac 8:7-36 '63.

1. Chair of Pharmaceutical Botany, Faculty of Pharmaceutics,  
Bratislava.

SRB, V.; SIMEK, S.

Igor' Vasil' evich Kurchatov and nuclear physics. Jaderna  
energie 9 no.5:172-174 My '63.

SRB, Vladimir, promovany biolog

Symposium on radiosensitivity problems. Vest ust zemedel 10  
no.8:300-301 '63.

CERNOCH, A.; HNATEK, L. [deceased]; SRB, V.; TRNKA, V.; VOJTA, M.

Current problems of contraception in the Czechoslovakian SSR.  
Cesk. gynek. 28 no.7:443-445 S '63.

I. Gyn.-por. klin. UDL v Praze, prednosta doc. dr. A. Cernoch,  
II gyn.-por. klin. fak. detskeho lekarstvi KU v Praze, prednosta  
prof. dr. R. Peter, DrSc. Statni populacni komise v Praze,  
predseda dr. Z. Fajfr II gyn.-por. klin. fak. vseob. lek. KU  
v Praze, prednosta prof. dr. J. Lukas, DrSc. Ustav pro peci o  
matku a dite v Praze, reditel doc. dr. M. Vojta.  
(CONTRACEPTION) (CONTRACEPTIVES, ORAL)

SRB, V.

"Applied electrochemistry" by [prof., Sc.Dr.] V.V. Stender. Reviewed  
by V. Srb. Chem listy 57 no.2:176 F '63.

RIPKA, O.; SRB, V.

Change in the prognosis of the malignant stage of hypertension as a result of the prolonged administration of hypotensive agents. Cas. lek. cesk. 102 no.24:666-674 14 Je '63.

1. II.interni klinika fakulty vseobecneho lekarstvi KU v Praze, prednosta prof. dr. F. Herles Ustredni urad statni kontroly a statistiky, demograficke oddeleni, v Praze, vedouci JUDr. Vladimir Srb.

(HYPERTENSION, MALIGNANT)  
(ANTIHYPERTENSIVE AGENTS)  
(HEART FAILURE, CONGESTIVE)  
(CORONARY DISEASE)  
(CEREBRAL HEMORRHAGE)  
(PROGNOSIS)

TOMANA, Milan, inz.; SRE, Vladimir, MUDr.

Discussion of Augustin Wolf's article "Using ionization radiation in the food industry for cold sterilization." Prum pc-travin 15 no.2&79 F '64

SRB, Vladmir

Permanent changes in cell permeability induced by X-ray irradiation. Sborn. ved. prac. lek. fak. Karlov. Univ. 9 no.1:219-226 '64.

1. Katedra biologie (prednosta: doc. MUDr. V.Puza, CSc.),  
Karlov University v Hradci Kralove.

SYROVATKA, A.; SRB, V.; VOJTA, M.

Report of a survey of perinatal mortality during the period  
1956-1962. Cesk. gynek. 29 no.6:430-436 Ag '64.

1. Ustav pro peci o matku a dite v Praze (reditel doc. dr. M.  
Vojta) a Ustredni urad statni kontroly a statistiky v Praze.

1977, 7.

Survival in noncomplicated and complicated hypertension treated with hypotensive drugs. Cas. lek. cesk. 103 no. 51:1385-1389 13 p 361

I. II. Interni klinika fakulty vseobecného lékařství Karlovy University v Praze (prednosta prof. dr. F. Berles) a Metodni komise lidova kontroly a statistiky, demograficke oddeleni v Praze (vedouci JUDr. V. Srb).

REFERENCES

Prevalence of arterial hypertension in Czechoslovakia. I.  
Czech. med. 11 no.3:149-160 '65.

1. Second Medical Clinic, Faculty of General Medicine, Charles  
University, Prague (Director: Prof. F. Herles, M.D., D.Sc.) and  
Central Commission of People's Control and Statistics, Demographic  
Department, Prague (Director: Dr. V. Srb).

L 335

ACC NR: AP6023510

SOURCE CODE: CZ/0049/65/000/011/0877/0882

AUTHOR: Srb, Vladimir (Candidate of sciences; Hradec Kralove)

24  
B

ORG: Department of Biology/headed by Docent, Doctor Vladimir Puza, Candidate of Sciences/, Medical Faculty, Charles University, Hradec Kralove (Katedra biologie Lekarske fakulty KU)

TITLE: Changes in cell permeability caused by small doses of exposure to x-ray irradiation

SOURCE: *22* Biologia, no. 11, 1965, 877-882

TOPIC TAGS: radiation plant effect, cell physiology, plant injury, x ray irradiation

ABSTRACT: Cells of the epidermis of onions *Allium cepa* L. were studied; plasmolysis caused by 0.5 M  $KNO_3$  and 1 M glycerol in non-irradiated and irradiated cells was investigated. Doses of 25r, 50r, 100r, and 250r were used; even a dose of 25r induces changes in the relatively irradiation-resistant cells of the onion epidermis. It appears that the lipoprotein plasmatic membrances in the cell are very sensitive to irradiation effects. It is suggested that plasmolysis be adopted as a standard method for the determination of irradiation damage to plant cells. Orig. art. has: 3 figures and 1 table. [JFRS]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 022 / SOV REF: 017  
OTH REF: 002

Card 1/1 *92*

*0975* *1430*

S/194/62/000/002/094/096  
D230/D301

AUTHORS: Bruga, Vladimir, and Srba, ~~Yirkai~~  
TITLE: A new TESLA house telephone apparatus  
PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika,  
no. 2, 1962, abstract 2-8-24g (Kovo eksport, CSSR,  
1961, 7, no. 8, 19-22)

TEXT: The house telephone apparatus TESLA DS60 is described, together with a "door-keeper" element of the telephone apparatus, and a door-opener TESLA EV60 model. The circuit and the construction of this apparatus and of the door-keeper, the switching-in and the interconnection circuit of such apparatus, and its connection with the door-keeper element are examined. Frequency characteristics of the telephone apparatus and of the door-keeper elements for both, the former type and for the new models, are given. Power supplies for the telephone apparatus and for the door-keeper element are provided by the mains via a small selenium rectifier and also by a 4 to 6 V accumulator. [Abstracter's note: Complete translation.]  
Card 1/1.

SRBA, Jiri, inz.

A new connection of dual telephone lines. Sdel tech 10 no.10:384-  
385 0 '62.

SRBA, J., inz.

Use of plastic materials in telecommunication installations. Tech  
praca 14 no.2:136 F '62.